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Amendment "A"

Please withdraw claims 2, 5, 7, 10-22, 26, and 30-42. The state of the claims following this Amendment "A" is as follows:

Claim 1 (original). A media level measurement apparatus, comprising:

- a sensor configured to provide a temperature signal corresponding to an ambient temperature;
 - a controller configured to provide a first signal and a second signal;
 - a source configured to provide an electrical current in response to the first signal;
- a thermistor device electrically coupled to the source and configured to provide a level signal corresponding to a level of a media in contact with a lengthwise portion of the thermistor device during the electrical current; and
- a signal processor configured to provide a media level signal in accordance with a comparison between the level signal and the temperature signal in response to the second signal.
- Claim 2 (withdrawn). The apparatus of claim 1, and wherein the signal processor includes an analog-to-digital converter.
- Claim 3 (original). The apparatus of claim 1, and wherein the media is an imaging media.
- Claim 4 (original). The apparatus of claim 1, and wherein the source is further configured to provide a predefined pulse of electrical current in response to the first signal.

1	Claim 5 (withdrawn). The apparatus of claim 1, and wherein the thermistor device
2	includes a thermal window defining the lengthwise portion of the thermistor device and
3	configured to contact the media.
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5	Claim 6 (original). The apparatus of claim 1, and wherein the sensor and the thermistor
6	device are defined by substantially equivalent temperature coefficients.
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8	Claim 7 (withdrawn). The apparatus of claim 1, and wherein the thermistor device is
9	further configured such that the level signal includes a varying resolution corresponding
10	to the level of the media in contact with the thermistor device.
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12	Claim 8 (original). The apparatus of claim 1, and wherein the thermistor device is
13	configured to be supported such that the lengthwise portion extends along a majority of
14	a depth wise dimension of a media reservoir.
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16	Claim 9 (original). The apparatus of claim 1, and wherein the controller is further
17	configured to:
18	provide the first signal;
19	wait for predetermined period of time; and
20	provide the second signal after the predetermined period of time.
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22	(Continued on next page.)
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Claim 10 (withdrawn). A level measurement apparatus, comprising:

a microcontroller including an executable program code and a plurality of lookup tables, each of the lookup tables including level data, the program code configured to cause the microcontroller to:

provide a trigger signal;

sense a level signal at a predetermined time after providing the trigger signal;

sense an ambient temperature signal;

cross-reference a particular one of the plurality of lookup tables corresponding to the ambient temperature signal;

cross-reference particular level data within the particular lookup table corresponding to the level signal; and

provide an imaging media level signal in accordance with the particular data.

Claim 11 (withdrawn). The level measurement apparatus of claim 10, and further comprising an electrical source electrically coupled to the microcontroller and configured to provide a pulse of electrical current in response to the trigger signal.

Claim 12 (withdrawn). The level measurement apparatus of claim 10, and further comprising a thermistor device electrically coupled to the microcontroller and configured to provide the level signal in correspondence to a level of an imaging media in contact with a lengthwise portion of the thermistor device during a pulse of electrical current applied to the thermistor device.

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Claim 17 (withdrawn). A media level measurement apparatus, comprising:

a controller configured to provide a first signal and a second signal;

a first current source and a second current source each configured to provide a pulse of electrical current in response to the first signal;

a thermistor device electrically coupled to the first current source and configured to provide a level signal corresponding to a level of an imaging media in contact with a lengthwise portion of the thermistor device during the associated pulse of electrical current;

a sensor electrically coupled to the second current source and configured to provide a temperature signal corresponding to an ambient temperature during the associated pulse of electrical current; and

a signal processor configured to provide a media level signal in accordance with a comparison between the level signal and the temperature signal in response to the second signal.

Claim 18 (withdrawn). The apparatus of claim 17, and wherein the sensor and the thermistor device are defined by substantially equivalent temperature coefficients.

Claim 19 (withdrawn). The apparatus of claim 17, and wherein the first current source and the second current source and the thermistor device and the sensor are mutually electrically coupled to define a bridge circuit.

Claim 20 (withdrawn). The apparatus of claim 17, and wherein the thermistor device is further configured such that the level signal includes a varying resolution corresponding to the level of the imaging media in contact with the thermistor device.

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computer.

Claim 25 (original). The imaging apparatus of claim 23, and wherein the thermistor device is further configured to provide the level signal in correspondence to a level of the imaging media in contact with a lengthwise portion of the thermistor device.

Claim 26 (withdrawn). The imaging apparatus of claim 25, and wherein the thermistor device includes a thermal window defining the lengthwise portion of the thermistor device and configured to contact the imaging media.

Claim 27 (original). An apparatus, comprising:

a reservoir configured to support an imaging media, the reservoir defining a depth wise dimension; and

a thermistor device configured to provide a level signal corresponding to a quantity of the imaging media within a majority of the depth-wise dimension of the reservoir.

Claim 28 (original). The apparatus of claim 27, and wherein the apparatus is configured to electrically couple the level signal to a controller of an imaging apparatus.

Claim 29 (original). The apparatus of claim 27, and wherein the apparatus defines an imaging media cartridge for use with an imaging apparatus.

Claim 30 (withdrawn). The apparatus of claim 27, and wherein:

the thermistor device includes a thermal window defining a lengthwise portion of the thermistor device; and

the thermal window is configured to contact the imaging media within the majority of the depth-wise dimension of the reservoir.

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Claim 31 (withdrawn). The apparatus of claim 27, and wherein the thermistor device is further configured such that the level signal defines a varying resolution corresponding to the quantity of the imaging media within the majority of the depth-wise dimension of the reservoir.

Claim 32 (withdrawn). A thermistor device, comprising:

a substrate; and

a thermistor material supported by the substrate, wherein the thermistor device is configured to provide an electrical resistance corresponding to a level of a media in contact with a lengthwise portion of the thermistor device.

Claim 33 (withdrawn). The thermistor device of claim 32, and wherein the thermistor material substantially defines a strip including a lengthwise varying cross-sectional area.

Claim 34 (withdrawn). The thermistor device of claim 32, and wherein the thermistor material defines first and second substantially perpendicular lengthwise portions.

Claim 35 (withdrawn). A thermistor device, comprising:

a plurality of discrete thermistors electrically coupled as a series circuit, wherein the thermistor device is configured to provide an electrical resistance corresponding to a level of a media in contact with a lengthwise portion of the thermistor device.

Claim 36 (withdrawn). The thermistor device of claim 35, and wherein each of the discrete thermistors are defined by a respective temperature coefficient, and at least one of the temperature coefficients is substantially different than the other temperature coefficients.

predetermined portion of the applied electrical pulse.

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(End of Amendment "A".)

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